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DATA CONCERNING PLATINUM, ETC.

Compliments of

BAKER & CO.,

Gold, Silver and Platinum Refiners,

ASSAYERS AND SWEEP SMELTERS,

408, 410, 412 & 414
N. J. RAILROAD AVENUE,
NEWARK, N. J.

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IN consideration of the many requests we have received from our customers for data concerning Platinum, we have prepared this Pamphlet and trust it will prove serviceable to the consumers of that metal.

BAKER & CO.
408, 410, 412, 414 N. J. R. R Ave.,
NEWARK, N. J.

DANIEL W. BAKER. CYRUS O. BAKER, Jr.

BAKER & CO.,

Gold, Silver and Platinum Refiners,

ASSAYERS and SMELTERS,

408, 410, 412 and 414 N. J. RAILROAD AVENUE,

Cable Address, "BAKER, NEWARK."
NEWARK, N. J.
Telephone Call, No. 8 NEWARK.

PLATINUM

In Sheet and Wire, any Size or Degree of Hardness, for all Purposes.

Platinum for Incandescent Lamp Manufacturers, Artificial Teeth Manufacturers, Jewelers, Manufacturing Chemists, Contact Points, Electric Gas Lighting, Dentists, Surgical, Electrical, Physical and Chemical Apparatus, Diamond Setters, Stylographic Pens, Platers, Alloys, Solutions, Electrodes, Experiments, Laboratories, Chemical Supply Houses, Schools, Colleges, Students, Chemists, Druggists, Etc., Etc.

Granulated Gold and Silver, Fine Gold and Silver Anodes, Gold in Sheet and Wire, all Qualities and any Size.

Silver, Pure, Sterling and Coin, in Sheet or Wire, all Sizes, for Surgical, Electrical, Experimental and Manufacturing Purposes.

Pure Aluminum in Sheet and Wire for Electrical Purposes.

Iridium, Palladium, Osmium, Ruthenium and Rhodium.

Silver Solder, Mercury, Tin, Etc.

Native and Scrap Platinum purchased.

Anything containing Gold, Silver or Platinum, either refined or purchased.

Shippers will confer a favor by always marking name and address on outside of packages.

Approximate Weight and Capacity of Platinum Crucibles, Dishes, Etc.

Manufactured by BAKER & Co.

Articles.	Capacity Cubic Centimeters	Weight in Grammes.
Crucibles	8	8
“	10	10
“	12	11
“	13	12
“	15	14
“	20	18
“	25	24
“	30	27
“	35	33
“	40	37
“	45	44
“	50	51
“	55	56
“	60	62
Gooch Crucibles	10	13
“ “	12	16
“ “	15	18
“ “	20	22
“ “	25	29
“ “	30	34
Dishes	25	8
“	40	14
“	50	17
“	65	22
“	75	25
“	90	32
“	100	35
“	125	41
“	140	48
“	150	50
“	175	56
“	200	70
“	250	80
“	300	94
“	350	117
“	400	133
Shells	100	20
Milk pans, round	15–20	9–13
“ “ square		
Boats	3–5	3–4
“		
“		
Muffles	....	45
Copper tests	....	40–50
“ “ according to form		
“ “		
Triangles	10 cc	8
“	25 cc	10
“	30 cc	13
“	40 cc	20
Spatulas	....	5–10
“		
Bottles	100	70
“	180	100
Combustion tubes	....	130

Platinum dishes weigh approximately one-third as many grammes as they hold C. C. Platinum crucibles weigh approximately as many grammes as they hold C. C.

Platinum concentrating stills, retorts, crucibles, dishes, pans, muffles, boats, bottles, filter cones,* combustion tubes, spatulas, triangles, spoons,* blowpipe tips,* coloring pots, dipping baskets, lightning rod tips,* wire, foil, tubing, gauze, sponge, black, solutions, etc.

Platinum Fuse and Spider Web Wire.

Crucible tongs and tweezers tipped with platinum.*

Platinum apparatus, any desired size or shape, made to order.

All crucibles, dishes, etc., are hammered and guaranteed.

*Filter cones, spoons, crucible tongs, tweezers, blowpipe tips and lightning rod tips are sold by the piece.

Tables giving the Weight *Per Foot* of Platinum Wire in Troy and French Weights.

These tables are based upon pure platinum at its maximum density. The diameter and length are theoretically absolute, it will, therefore, be appreciated that practical tests will no doubt deviate slightly from figures herein given. For instance, a very slight deviation in diameter will make an appreciable difference in weight on long lengths. Allowance must also be made in calculating the weight of iridio platinum, as the specific gravity of iridium is about four per cent. greater than that of platinum.

To ascertain the weight of corresponding size in pure silver, multiply by .48837, or approximately divide by 2.

Size Dec. In.	Oz.	Dwt.	Grains	Grammes	Size Dec. In.	Oz	Dwt	Grains	Grammes
.001	0	0	0.05	0.003	.051	0	5	13.43	8.646
.0015	0	0	0.13	0.008	.052	0	5	18.72	8.989
.002	0	0	0.21	0.014	.053	0	6	0.15	9.341
.0025	0	0	0.36	0.023	.054	0	6	5.59	9.693
.003	0	0	0.51	0.033	.055	0	6	11.24	10.059
.0035	0	0	0.67	0.043	.056	0	6	16.9	10.426
.004	0	0	0.82	0.053	.057	0	6	22.73	10.804
.0045	0	0	1.07	0.069	.058	0	7	4.58	11.183
.005	0	0	1.32	0.086	.059	0	7	10.63	11.575
.0055	0	0	1.60	0.104	.069	0	7	16.68	11.967
.006	0	0	1.84	0.119	.061	0	7	22.94	12.373
.0065	0	0	2.20	0.143	.062	0	8	5.20	12.778
.007	0	0	2.56	0.166	.063	0	8	11.67	13.198
.0075	0	0	2.92	0.189	.064	0	8	18.13	13.616
.008	0	0	3.28	0.213	.065	0	9	0.8	14.048
.0085	0	0	3.74	0.242	.066	0	9	7.47	14.481
.009	0	0	4.20	0.272	.067	0	9	14.35	14.926
.0095	0	0	4.67	0.303	.068	0	9	21.22	15.372
.010	0	0	5.13	0.332	.069	0	10	4.30	15.830
.011	0	0	6.26	0.406	.070	0	10	11.38	16.289
.012	0	0	7.40	0.480	.071	0	10	18.65	16.760
.013	0	0	8.72	0.565	.072	0	11	1.95	17.233
.014	0	0	10.05	0.651	.073	0	11	9.44	17.719
.015	0	0	11.60	0.752	.074	0	11	16.93	18.204
.016	0	0	13.13	0.851	.075	0	12	0.63	18.703
.017	0	0	14.90	0.966	.076	0	12	8.32	19.201
.018	0	0	16.62	1.077	.077	0	12	16.22	19.713
.019	0	0	18.69	1.205	.078	0	13	0.12	20.225
.020	0	0	20.52	1.330	.079	0	13	8.23	20.751
.021	0	0	22.68	1.470	.080	0	13	16.33	21.275
.022	0	1	0.83	1.609	.081	0	14	0.64	21.814
.023	0	1	3.29	1.763	.082	0	14	8.95	22.352
.024	0	1	5.69	1.918	.083	0	14	17.47	22.904
.025	0	1	8.12	2.081	.084	0	15	1.98	23.456
.026	0	1	10.7	2.249	.085	0	15	10.71	24.022
.027	0	1	13.45	2.427	.086	0	15	19.43	24.587
.028	0	1	16.22	2.606	.087	0	16	4.36	25.165
.029	0	1	20.0	2.851	.088	0	16	13.28	25.743
.030	0	1	22.17	2.992	.089	0	16	22.41	26.335
.031	0	2	1.35	2.198	.090	0	17	7.54	26.927
.032	0	2	4.53	3.404	.091	0	17	16.88	27.532
.033	0	2	7.92	3.624	.092	0	18	2.22	28.137
.034	0	2	11.30	3.843	.093	0	18	11.76	28.755
.035	0	2	15.0	4.082	.094	0	18	21.3	29.373
.036	0	2	18.5	4.309	.095	0	19	7.05	30.005
.037	0	2	22.64	4.577	.096	0	19	16.8	30.637
.038	0	3	2.8	4.847	.097	1	0	2.8	31.285
.039	0	3	6.8	5.106	.098	1	0	12.7	31.926
.040	0	3	10.8	5.365	.099	1	0	22.87	32.585
.041	0	3	14.65	5.615	.100	1	1	9.02	33.243
.042	0	3	18.5	5.864	.101	1	1	19.38	33.914
.043	0	3	23.0	6.156	.102	1	2	5.74	34.586
.044	0	4	3.32	6.436	.103	1	2	16.31	35.271
.045	0	4	8.0	6.739	.104	1	3	2.88	35.956
.046	0	4	13.0	7.063	.105	1	3	13.66	36.654
.047	0	4	17.37	7.346	.106	1	4	0.43	37.352
.048	0	4	22.2	7.659	.107	1	4	11.41	38.063
.049	0	5	3.23	7.985	.108	1	4	22.38	38.774
.050	0	5	8.26	8.311	.109	1	5	9.57	39.499

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Weights *Per Foot* of Platinum Wire in Troy and French Weights—Continued.

Size Dec. In.	Oz.	Dwt.	Grains	Grammes	Size Dec. In.	Oz.	Dwt	Grains	Grammes
.110	1	5	20.76	40.225	.181	3	10	0.77	108.912
.111	1	6	8.15	40.962	.182	3	10	19.34	110.115
.112	1	6	19.53	41.700	.183	3	11	14.12	111.332
.113	1	7	7.13	42.451	.184	3	12	8.9	112.549
.114	1	7	18.72	43.203	.185	3	13	3.88	113.779
.115	1	8	6.52	43.967	.186	3	13	22.86	115.009
.116	1	8	18.32	44.732	.187	3	14	18.05	116.252
.117	1	9	6.33	45.510	.188	3	15	13.24	117.496
.118	1	9	18.33	46.288	.189	3	16	8.63	118.752
.119	1	10	6.54	47.079	.190	3	17	4.02	120.008
.120	1	10	18.75	47.870	.191	3	17	23.62	121.279
.121	1	11	7.17	48.675	.192	3	18	19.21	122.548
.122	1	11	19.58	49.479	.193	3	19	15.02	123.831
.123	1	12	8.2	50.297	.194	4	0	10.82	125.115
.124	1	12	20.82	51.115	.195	4	1	6.83	126.411
.125	1	13	9.65	51.946	.186	4	2	2.84	127.708
.126	1	13	22.48	52.777	.197	4	2	23.05	129.017
.127	1	14	11.51	53.621	.198	4	3	19.26	130.327
.128	1	15	0.53	54.465	.199	4	4	15.68	131.650
.129	1	15	13.77	55.323	.200	4	5	12.1	132.973
.130	1	16	3.01	56.181	.201	4	6	8.73	134.310
.131	1	16	16.45	57.052	.202	4	7	5.35	135.646
.132	1	17	5.89	57.923	.203	4	8	2.18	136.996
.133	1	17	19.54	58.807	.204	4	8	23.0	138.345
.134	1	18	9.18	59.691	.205	4	9	20.0	139.709
.135	1	18	23.04	60.589	.206	4	10	17.07	141.071
.136	1	19	12.89	61.487	.207	4	11	14.31	142.448
.137	2	0	2.95	62.398	.208	4	12	11.55	143.824
.138	2	0	17.0	63.308	.209	4	13	8.10	145.156
.139	2	1	7.27	64.233	.210	4	14	6.44	146.603
.140	2	1	21.53	65.157	.211	4	15	4.09	148.006
.141	2	2	12.0	66.094	.212	4	16	1.74	149.409
.142	2	3	2.46	67.096	.213	4	16	23.10	150.793
.143	2	3	17.13	67.982	.214	4	17	21.45	152.241
.144	2	4	7.8	68.933	.215	4	18	19.51	153.671
.145	2	4	22.68	69.897	.216	4	19	17.57	155.100
.146	2	5	13.56	70.861	.217	5	0	15.84	156.543
.147	2	6	4.64	71.838	.218	5	1	14.1	157.986
.148	2	6	19.72	72.815	.219	5	2	12.57	159.442
.149	2	7	11.02	73.807	.220	5	3	11.04	160.898
.150	2	8	2.31	74.798	.221	5	4	9.72	162.368
.151	2	8	17.8	75.891	.222	5	5	8.39	163.837
.152	2	9	9.29	76.895	.223	5	6	7.27	165.313
.153	2	10	0.99	77.822	.224	5	7	6.15	166.802
.154	2	10	16.69	78.849	.225	5	8	5.24	168.298
.155	2	11	8.59	79.870	.226	5	9	4.33	169.794
.156	2	12	0.49	80.900	.227	5	10	3.62	171.303
.157	2	12	16.6	81.944	.228	5	11	2.91	172.812
.158	2	13	8.71	82.988	.229	5	12	2.41	174.335
.159	2	14	1.03	84.045	.230	5	13	1.9	175.857
.160	2	14	17.34	85.103	.231	5	14	1.61	177.394
.161	2	15	9.86	86.173	.232	5	15	1.31	178.929
.162	2	16	2.38	87.244	.233	5	16	1.22	180.479
.163	2	16	19.11	88.327	.234	5	17	1.12	182.028
.164	2	17	11.83	89.411	.235	5	18	1.24	183.590
.165	2	18	4.76	90.508	.236	5	19	1.35	185.153
.166	2	18	21.69	91.605	.237	6	0	1.67	186.729
.167	2	19	14.83	92.716	.238	6	1	1.98	188.304
.168	3	0	7.96	93.826	.239	6	2	2.51	189.893
.169	3	1	1.3	94.949	.240	6	3	3.03	191.482
.170	3	1	18.64	96.073	.241	6	4	3.78	193.086
.171	3	2	12.19	97.210	.242	6	5	4.48	194.687
.172	3	3	5.73	98.347	.243	6	6	5.42	196.303
.173	3	3	23.48	99.497	.244	6	7	6.35	197.918
.174	3	4	17.23	100.647	.245	6	8	7.49	199.547
.175	3	5	11.19	101.811	.246	6	9	8.63	201.176
.176	3	6	5.14	102.974	.247	6	10	9.97	202.818
.177	3	6	23.31	104.152	.248	6	11	11.31	204.460
.178	3	7	17.47	105.328	.249	6	12	12.84	206.115
.179	3	8	11.84	106.519	.250	6	13	14.36	207.768
.180	3	9	6.20	107.708					

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Table of Weights *Per Square Inch* of Platinum Sheet or Foil.

Size Dec. In.	Oz.	Dwt.	Grains	Grammes	Size Dec. In.	Oz.	Dwt.	Grains	Grammes
.00045	0	0	2.45	0.162	.048	0	10	21.28	16.930
.0005	0	0	2.72	0.176	.049	0	11	2.73	17.283
.001	0	0	5.44	0.353	.050	0	11	8.17	17.636
.0015	0	0	8.17	0.529	.051	0	11	13.61	17.988
.002	0	0	10.89	0.705	.052	0	11	19.05	18.341
.0025	0	0	13.61	0.882	.053	0	12	0.50	18.694
.003	0	0	16.33	1.058	.054	0	12	5.94	19.047
.0035	0	0	19.05	1.234	.055	0	12	11.39	19.400
.004	0	0	21.77	1.411	.056	0	12	16.83	19.752
.0045	0	1	0.50	1.587	.057	0	12	22.27	20.105
.005	0	1	3.22	1.764	.058	0	13	3.72	20.458
.0055	0	1	5.94	1.940	.059	0	13	9.16	20.810
.006	0	1	8.66	2.116	.060	0	13	14.60	21.163
.007	0	1	14.10	2.469	.061	0	13	20.05	21.516
.008	0	1	19.55	2.821	.062	0	14	1.49	21.868
.009	0	2	0.99	3.174	.063	0	14	6.93	22.221
.010	0	2	6.44	3.527	.064	0	14	12.38	22.574
.011	0	2	11.88	3.880	.065	0	14	17.82	22.927
.012	0	2	17.32	4.232	.066	0	14	23.26	23.279
.013	0	2	22.76	4.585	.067	0	15	4.71	23.632
.014	0	3	4.21	4.938	.068	0	15	10.15	23.985
.015	0	3	9.65	5.290	.069	0	15	15.59	24.337
.016	0	3	15.09	5.643	.070	0	15	21.04	24.690
.017	0	3	20.54	5.996	.071	0	16	2.48	25.043
.018	0	4	1.98	6.349	.072	0	16	7.92	25.396
.019	0	4	7.42	6.701	.073	0	16	13.37	25.749
.020	0	4	12.87	7.054	.074	0	16	18.81	26.101
.021	0	4	18.31	7.407	.075	0	17	0.25	26.454
.022	0	4	23.75	7.759	.076	0	17	5.70	26.807
.023	0	5	5.20	8.113	.077	0	17	11.14	27.159
.024	0	5	10.64	8.465	.078	0	17	16.58	27.512
.025	0	5	16.08	8.817	.079	0	17	22.03	27.865
.026	0	5	21.53	9.171	.080	0	18	3.47	28.218
.027	0	6	2.97	9.523	.081	0	18	8.91	28.570
.028	0	6	8.41	9.876	.082	0	18	14.36	28.923
.029	0	6	13.86	10.229	.083	0	18	19.80	29.276
.030	0	6	19.30	10.581	.084	0	19	1.24	29.628
.031	0	7	0.75	10.934	.085	0	19	6.69	29.981
.032	0	7	6.19	11.287	.086	0	19	12.13	30.334
.033	0	7	11.63	11.639	.087	0	19	17.57	30.684
.034	0	7	17.07	11.992	.088	0	19	23.02	31.039
.035	0	7	22.52	12.345	.089	1	0	4.46	31.392
.036	0	8	3.96	12.698	.090	1	0	9.90	31.745
.037	0	8	9.40	13.050	.091	1	0	15.35	32.098
.038	0	8	14.85	13.403	.092	1	0	20.80	32.451
.039	0	8	20.29	13.756	.093	1	1	2.24	32.803
.040	0	9	1.73	14.108	.094	1	1	7.68	33.156
.041	0	9	7.18	14.461	.095	1	1	13.12	33.508
.042	0	9	12.62	14.814	.096	1	1	18.56	33.861
.043	0	9	18.06	15.166	.097	1	2	0.01	34.214
.044	0	9	23.51	15.519	.098	1	2	5.45	34.566
.045	0	10	4.95	15.872	.099	1	2	10.89	34.919
.046	0	10	10.40	16.225	.100	1	2	16.34	35.272
.047	0	10	15.84	16.578					

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Fractional Parts of an Inch Expressed in Thousandths.

The following tables will be found very convenient for the transposition of fractional parts of an inch, or decimal parts of a millimeter to decimals of an inch :

8ths.

1/8 = .125
1/4 = .250
3/8 = .375
1/2 = .500
5/8 = .625
6/8 = .750
7/8 = .875

16ths

1/16 = .0625
3/16 = .1875
5/16 = .3125
7/16 = .4375
9/16 = .5625
11/16 = .6875
13/16 = .8125
15/16 = .9375

32nds.

1/32 = .03125
3/32 = .09375
5/32 = .15625
7/32 = .21875
9/32 = .28125
11/32 = .34375
13/32 = .40625
15/32 = .46875
17/32 = .53125
19/32 = .59375
21/32 = .65625
23/32 = .71875
25/32 = .78125
27/32 = .84375
29/32 = .90625
31/32 = .96875

64ths.

1/64 = .015625
3/64 = .046875
5/64 = .078125
7/64 = .109375
9/64 = .140625
11/64 = .171875
13/64 = .203125
15/64 = .234375
17/64 = .265625
19/64 = .296875
21/64 = .328125
23/64 = .359375
25/64 = .390625
27/64 = .421875
29/64 = .453125
31/64 = .484375
33/64 = .515625
35/64 = .546875
37/64 = .478125
39/64 = .609375
41/64 = .640625
43/64 = .671875
45/64 = .703125
47/64 = .734375
49/64 = .765625
51/64 = .796875
53/64 = .828125
55/64 = .859375
57/64 = .890625
59/64 = .921875
61/64 = .953125
63/64 = .984375

Decimal Parts of a Millimeter Expressed in Decimal Parts of an Inch.

1 = .03937
.99 = .0389765
.98 = .0385826
.97 = .0381889
.96 = .0377952
.95 = .0374015
.94 = .0370078
.93 = .0366141
.92 = .0362204
.91 = .0358267
.90 = .0354330
.89 = .0350393
.88 = .0346456
.87 = .0342519
.86 = .0338582
.85 = .0334645
.84 = .0330708
.83 = .0326771
.82 = .0322834
.81 = .0318897

.80 = .0314960
.79 = .0311023
.78 = .0307086
.77 = .0303149
.76 = .0299212
.75 = .0295275
.74 = .0291338
.73 = .0287401
.72 = .0283464
.71 = .0279527
.70 = .0275590
.69 = .0271653
.68 = .0267716
.67 = .0263779
.66 = .0259842
.65 = .0255905
.64 = .0251968
.63 = .0248031
.62 = .0244094
.61 = .0240157

.60 = .0236220
.59 = .0232283
.58 = .0228346
.57 = .0224409
.56 = .0220472
.55 = .0216535
.54 = .0212598
.53 = .0208661
.52 = .0204724
.51 = .0200787
.50 = .019685
.49 = .0192913
.48 = .0188976
.47 = .0185039
.46 = .0181102
.45 = .0177165
.44 = .0173228
.43 = .0169291
.42 = .0165354
.41 = .0161417

.40 = .0157480
.39 = .0153543
.38 = .0149606
.37 = .0145669
.36 = .0141732
.35 = .0137795
.34 = .0133858
.33 = .0129921
.32 = .0125984
.31 = .0122047
.30 = .0118110
.29 = .0114173
.28 = .0110236
.27 = .0106299
.26 = .0102362
.25 = .0098425
.24 = .0094488
.23 = .0090551
.22 = .0086614
.21 = .0082677

.20 = .0078740
.19 = .0074803
.18 = .0070866
.17 = .0066929
.16 = .0062992
.15 = .0059055
.14 = .0055118
.13 = .0051181
.12 = .0047244
.11 = .0043307
.10 = .0039370
.09 = .0035433
.08 = .0031496
.07 = .0027559
.06 = .0023622
.05 = .0019685
.04 = .0015748
.03 = .0011811
.02 = .0007874
.01 = .0003937

Comparison of Inches, Feet, Millimeters, Centimeters and Meters.

	Inches.	Feet.	Millimeters.	Centimeters.	Meters.
One Inch...........	1.	.0833	25.399	2.5399	.025499
One Foot...........	12.	1.	304.788	30.4788	.304788
One Millimeter.....	.03937	.00328	1.	.1	.001
One Centimeter....	.393685	.0328	10.	1.	.01
One Meter..........	39.3685	3.2809	1000.	100.	1.

Comparison of Wire Gauges.

Numbers of Wire Gauges Expressed in Decimal Parts of an Inch.

Gauge Nos.	*B. & S. & A. W. Gauge	†B.W.G. Eng. Standard Stubs	Twist Drill	Washburn and Moen	New British Standard	Trenton Iron Co.	Old English	London	Gauge Nos.
7.0	....	....	....	.490	.500	....	....	....	7.0
6.0	....	....	....	.460	.464	....	....	....	6.0
5.0	....	....	....	.430	.432	.450	....	....	5.0
4.0	.460	.454	....	.393	.400	.400	....	....	4.0
3.0	.40964	.425	....	.362	.372	.360	....	....	3.0
2.0	.3648	.380	....	.331	.348	.330	....	....	2.0
1.0	.32486	.340	....	.307	.324	.305	....	....	1.0
1	.2893	.300	.228	.283	.300	.285	....	....	1
2	.25763	.284	.221	.263	.276	.265	....	....	2
3	.22942	.259	.213	.244	.252	.245	....	....	3
4	.20431	.238	.209	.225	.232	.225	....	....	4
5	.18194	.220	.2055	.207	.212	.205	....	....	5
6	.16202	.203	.204	.192	.192	.190	....	....	6
7	.14428	.180	.201	.177	.176	.175	....	....	7
8	.12840	.165	.199	.162	.160	.160	....	....	8
9	.11443	.148	.196	.148	.144	.145	....	.148	9
10	.10189	.134	.1935	.135	.128	.130	....	.134	10
11	.09074	.120	.191	.120	.116	.1175	....	.120	11
12	.08081	.109	.189	.105	.104	.105	....	.109	12
13	.07196	.095	.185	.092	.092	.0925	....	.095	13
14	.06408	.083	.182	.080	.080	.080	.083	.083	14
15	.05707	.072	.180	.072	.072	.070	.072	.072	15
16	.05082	.065	.177	.063	.064	.061	.065	.065	16
17	.04525	.058	.173	.054	.056	.0525	.058	.058	17
18	.0403	.049	.1695	.047	.048	.045	.049	.049	18
19	.03589	.042	.166	.041	.040	.040	.040	.040	19
20	.03196	.035	.161	.035	.036	.035	.035	.035	20
21	.02846	.032	.159	.032	.032	.031	.0315	.0315	21
22	.02535	.028	.157	.028	.028	.028	.0295	.0295	22
23	.02257	.025	.154	.025	.024	.025	.027	.027	23
24	.0201	.022	.152	.023	.022	.0225	.025	.025	24
25	.0179	.020	.1495	.02	.020	.020	.023	.023	25
26	.01594	.018	.147	.018	.018	.018	.0205	.0205	26
27	.01419	.016	.144	.017	.0164	.017	.01875	.01875	27
28	.01264	.014	.1405	.016	.0148	.016	.0165	.0165	28
29	.01126	.013	.136	.015	.0136	.015	.0155	.0155	29
30	.01002	.012	.1285	.014	.0124	.014	.01375	.01375	30
31	.00893	.010	.120	.0135	.0116	.013	.01225	.01225	31
32	.00795	.009	.116	.013	.0108	.012	.01125	.01125	32
33	.00708	.008	.113	.011	.010	.011	.01025	.01025	33
34	.0063	.007	.111	.01	.0092	.010	.0095	.0095	34
35	.00561	.005	.110	.0095	.0084	.0095	.009	.009	35
36	.005	.004	.1065	.009	.0076	.009	.0075	.0075	36
37	.00445	....	.104	.0085	.0068	.0085	.0065	....	37
38	.00396	....	.1015	.008	.006	.008	.00575	....	38
39	.00353	....	.0995	.0075	.0052	.0075	.005	....	39
40	.00314	....	.098	.007	.0048	.007	.0045	....	40
41	....	....	.096	....	.0044	....	....	....	41
42	....	....	.0935	....	.004	....	....	....	42
43	....	....	.089	....	.0036	....	....	....	43
44	....	....	.086	....	.0032	....	....	....	44
45	....	....	.082	....	.0028	....	....	....	45
46	....	....	.081	....	.0024	....	....	....	46
47	....	....	.0785	....	.002	....	....	....	47
48	....	....	.076	....	.0016	....	....	....	48
49	....	....	.073	....	.0012	....	....	....	49
50	....	....	.070	....	.001	....	....	....	50
51	....	....	.067	....	....	....	....	....	51
52	....	....	.0635	....	....	....	....	....	52
53	....	....	.0595	....	....	....	....	....	53
54	....	....	.055	....	....	....	....	....	54
55	....	....	.052	....	....	....	....	....	55
56	....	....	.0465	....	....	....	....	....	56
57	....	....	.043	....	....	....	....	....	57
58	....	....	.042	....	....	....	....	....	58
59	....	....	.041	....	....	....	....	....	59
60	....	....	.040	....	....	....	....	....	60

* Brown & Sharpe, or American Wire Gauge. † Birmingham Wire Gauge.

COMPARISON
— OF —
TROY, AVOIRDUPOIS AND FRENCH WEIGHTS.

	Troy Grain	Troy Dwt.	Troy Ounce	Troy Pound	Avoir. Ounce	Avoir. Pound	Milli-grammes	Centi-grammes	Deci-grammes	Grammes	Deca-grammes	Hecta-grammes	Kilo-grammes
1 Troy Grain.	1.	.041666	.0020833	.000173611	.00228571	.000142857	64.79897	6.479897	.6479897	.06479897	.006479897	.0006479897	.00006479897
1 “ Dwt...	24.	1.	.05	.0041666	.0548571	.0034285	1555.1754	155.51754	15.551754	1.5551754	.15551754	.015551754	.0015551754
1 “ Ounce	480.	20.	1.	.08333333	1.0971428	.0685714	31103.495	3110.3495	311.03495	31.103495	3.1103495	.31103495	.031103495
1 “ Pound	5760.	240.	12.	1.	13.165714	.822857	373241.9478	37324.19478	3732.419478	373.2419478	37.32419478	3.732419478	.3732419478
1 Avoir. Oz...	437.5	18.22917	.911458	.07595485	1.	.06250	28349.5403	2834.95403	283.495403	28.3495403	2.83495403	.283495403	.0283495403
1 “ Lb...	7000.	291.66666	14.583333	1.215277	16.	1.	453592.6449	45359.26449	4535.926449	453.5926449	45.35926449	4.535926449	.4535926449
1 Milligram'e	.015432349	.0006430145	.000032150727	.00000267922725	.00003527394	.0000020462	1.	.1	.01	.001	.0001	.00001	.000001
1 Centi “	.15432349	.006430145	.00032150727	.0000267922725	.0003527394	.0000220462	10.	1.	.1	.01	.001	.0001	.00001
1 Deci “	1.5432349	.06430145	.0032150727	.000267922725	.003527394	.000220462	100.	10.	1.	.1	.01	.001	.0001
1 Gramme....	15.432349	.6430145	.032150727	.00267922725	.03527394	.0020462	1000.	100.	10.	1.	.1	.01	.001
1 Decagram'e	154.32349	6.430145	.32150727	.0267922725	.3527394	.0220462	10000.	1000.	100.	10.	1.	.1	.01
1 Hecta “	1543.2349	64.30145	3.2150727	.267922725	3.527394	.220462	100000.	10000.	1000.	100.	10.	1.	.1
1 Kilo “	15432.349	643.0145	32.150727	2.67922725	35.27394	2.20462	1000000.	100000.	10000.	1000.	100.	10.	1.

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